

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY - WATER QUALITY DIVISION  
1110 W. Washington Street, Phoenix, Arizona 85007

(Submit in duplicate to the **Engineering Review Desk**)

**APPLICATION FOR APPROVAL** (PROJECT NAME) of swimming pool/spa to serve

Physical Address of pool/spa location \_\_\_\_\_

LATITUDE \_\_\_\_ ° \_\_\_\_ ' \_\_\_\_ . \_\_\_\_ " N      LONGITUDE \_\_\_\_ ° \_\_\_\_ ' \_\_\_\_ . \_\_\_\_ " W

TOWNSHIP \_\_\_\_ RANGE \_\_\_\_ SECTION \_\_\_\_ QUARTER SECTION (CIRCLE) NE SE SW NW

City Located In/Near \_\_\_\_\_ County Located In \_\_\_\_\_

This pool/spa will be constructed and operated in accordance with Arizona Department of Environmental Quality (ADEQ) and Arizona Department of Health Services (ADHS) Regulations Governing the Design, Operation and Maintenance of Public and Semipublic Bathing Places.

Date \_\_\_\_\_ Owner of Pool/Spa (Print Name) \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ Zip Code \_\_\_\_\_

Owner of Pool/Spa (Original Signature) \_\_\_\_\_

**Public and Semi-Public Swimming Pools and Spas Governing Regulations: Arizona Administrative Code, Title 18, Chapter 5, Article 2.**

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SWIMMING POOL/SPA CONSTRUCTION APPROVAL REQUEST FOR A

☐ POOL  
☐ SPA  
☐ PUBLIC  
☐ SEMI PUBLIC

Pool/Spa to Serve: \_\_\_\_\_  
(GIVE NAME OF COMMUNITY, MOTEL, TRAILER PARK, APARTMENT, ETC.)

Pool/Spa Contractor/Engineer: \_\_\_\_\_ Contact Name: \_\_\_\_\_

Contractor/Engineer Address: \_\_\_\_\_ Phone: \_\_\_\_\_

**DESIGN DATA:**

Main Pool

Spa / Wading Pool

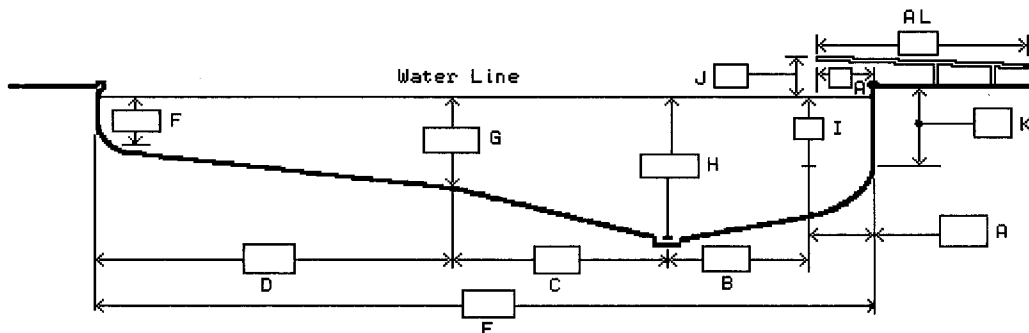
Pool surface area \_\_\_\_\_ sq. ft. Surface area \_\_\_\_\_ sq. ft.  
Pool water volume \_\_\_\_\_ gallons Water Volume \_\_\_\_\_ gallons  
Filtration rate (8 hour turnover) \_\_\_\_\_ gpm Spa Filtration rate(1/2 hour turnover) \_\_\_\_\_ gpm  
Wading Pool Filtration rate(1 hour turnover) \_\_\_\_\_ gpm

Total Filter Area Required: Diatomaceous earth filters \_\_\_\_\_ sq. ft.  
Sand filters \_\_\_\_\_ sq. ft.  
Rapid sand filters \_\_\_\_\_ sq. ft.

Scum Gutters: ☐ yes ☐ no Recirculating Skimmers: number \_\_\_\_\_ mfg. \_\_\_\_\_ cat. number \_\_\_\_\_  
(SHOW DETAIL ON PLAN) Total weir length \_\_\_\_\_ inches

Inlets: number \_\_\_\_\_ Pump: Distance from main drain \_\_\_\_\_ ft.  
☐ adjustable type Pump installed \_\_\_\_\_ ft. ☐ above water level  
☐ orifice plate type ☐ below

**SHAPE OF POOL BOTTOM**



**INFORMATION TO BE SHOWN ON PLAN:**

1. Plot plan - show north and prevailing wind direction and distance to existing water and sewer mains in the area.
2. Plan of pool - with dimensions.
3. Pool piping arrangement - indicating type and size of pipe and location of all valves.
4. Location of inlets, skimmers, main drain, vacuum hose connection, ladders, steps, depth markers, divingboards, life guard chair, make-up water inlet, life line, point of chlorine application, flow meter, backwash sightglass and other necessary details.
5. Location and profile drawing of filtration equipment - with distance from pool.
6. Method and place of backwash and waste water disposal.
7. Pool deck area - show slope and widths, locate drains if used.
8. Detail of scum gutter if used.
9. If automatic cleaning equipment is to be installed - show piping layout.

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ENGINEERING REVIEW DESK

**GENERAL CONSTRUCTION INFORMATION:**

Pool Structure:            ☐ Gunitite            ☐ Poured concrete            ☐ Other

Trim and Finish:

Pool walls and bottom \_\_\_\_\_

Coping \_\_\_\_\_

Tile \_\_\_\_\_

Depth markers at \_\_\_\_\_ ft.    \_\_\_\_\_ ft.    \_\_\_\_\_ ft.    \_\_\_\_\_ ft.    \_\_\_\_\_ ft.    \_\_\_\_\_ ft.

Decking:

Type \_\_\_\_\_

Finish \_\_\_\_\_

Minimum width \_\_\_\_\_ ft.

Filter Plant: mfg. \_\_\_\_\_

Pressure sand and gravel filters:

Number \_\_\_\_\_ Dia. \_\_\_\_\_

Height in. \_\_\_\_\_

Total filter area of plant \_\_\_\_\_ sq. ft.

Circulation rate \_\_\_\_\_ gpm

Backwash rate \_\_\_\_\_ gpm

Turnover rate \_\_\_\_\_ hours

catalog number \_\_\_\_\_ NSF approval: ☐ yes    ☐ no

Diatomaceous earth filters:

Filter elements:    ☐ cloth    ☐ metal    ☐ stone

Number filters \_\_\_\_\_

☐ pressure type    ☐ gravity    ☐ vacuum

Total area of filter plant \_\_\_\_\_ sq. ft.

Circulation rate \_\_\_\_\_ sq. ft.

Slurry feeder:    ☐ yes    ☐ no

Filter Accessories:

Air relief valves:    ☐ automatic    ☐ hand operated    ☐ backwash sightglass

Pressure gauges: quantity \_\_\_\_\_ size \_\_\_\_\_

Flow meter mfg. \_\_\_\_\_

Vacuum gauges: quantity \_\_\_\_\_ size \_\_\_\_\_

Catalog number \_\_\_\_\_

Circulating Pump:

Size \_\_\_\_\_ x \_\_\_\_\_ hp            Self priming:    ☐ yes    ☐ no

Circulating rate \_\_\_\_\_ gpm            \_\_\_\_\_ tdh

Strainer size \_\_\_\_\_ in.

Backwash rate \_\_\_\_\_ gpm            \_\_\_\_\_ tdh

Chemical Feeders: mfg. and type \_\_\_\_\_ Capacity \_\_\_\_\_ lbs.            Quantity \_\_\_\_\_

Chlorinator: mfg. \_\_\_\_\_ Capacity \_\_\_\_\_ lbs.            Quantity \_\_\_\_\_

☐ Gas Type    ☐ Electric hypo    ☐ Other

☐ Erosion type    Erosion rate \_\_\_\_\_ Chemical used \_\_\_\_\_

chlorine (mg/l per gallon)

Other Equipment:

Deck area lights .... Quantity \_\_\_\_\_ Watts \_\_\_\_\_

Underwater lights . Quantity \_\_\_\_\_ Watts \_\_\_\_\_

Diving boards ..... Quantity \_\_\_\_\_ Length \_\_\_\_\_

Ladders ..... Quantity \_\_\_\_\_ Treads \_\_\_\_\_

Life guard chairs ... Quantity \_\_\_\_\_

Life line ..... Quantity \_\_\_\_\_ Length \_\_\_\_\_

Floats \_\_\_\_\_

Ring buoy ..... Quantity \_\_\_\_\_ Diam. \_\_\_\_\_

Length rope \_\_\_\_\_ ft.

Shepherds crook .... Quantity \_\_\_\_\_ Handle \_\_\_\_\_ ft.

Fill spout \_\_\_\_\_ Dia. \_\_\_\_\_ Air gap \_\_\_\_\_ in.

☐ Above deck    ☐ Submerged \*\*    ☐ none

Wall brush: Handles \_\_\_\_\_ length \_\_\_\_\_ ft.

Leaf skimmer: Handles \_\_\_\_\_ length \_\_\_\_\_ ft.

Test sets: Chlor. res. (mfg.) \_\_\_\_\_

Model \_\_\_\_\_

pH (mfg.) \_\_\_\_\_

Model \_\_\_\_\_

Cyanuric acid (mfg.) \_\_\_\_\_

Model \_\_\_\_\_

Vacuum cleaner: Head size \_\_\_\_\_ Hose size \_\_\_\_\_

Length \_\_\_\_\_ mfg. \_\_\_\_\_

☐ Portable

☐ Integral

Automatic cleaning equipment:    ☐ yes    ☐ no

mfg. \_\_\_\_\_

**REMARKS:**

Approved \_\_\_\_\_

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY

Signed \_\_\_\_\_

CONTRACTOR / ENGINEER SIGNATURE

Date \_\_\_\_\_

Address \_\_\_\_\_ Date \_\_\_\_\_

ADEQ/OWWQM-147B (Rev. 1/2002)

\*\* Hose bibb shall be protected against back siphonage with an atmospheric vacuum breaker.

\*\* On make-up waterline the pressure vacuum breaker shall be installed a minimum of 12" above the level of coping.